CALIFORNIA'S DROUGHT TECHNOLOGY PROGRAM

INVESTING IN INNOVATIVE WATER & ENERGY SAVING TECHNOLOGIES

LAUNCHING SUMMER 2015

In response to California's drought, Governor Brown's Executive Order B-29-15 outlines bold steps to save water, increase enforcement of water use standards, streamline the state's drought response, and invest in new water energy technologies. To accelerate the deployment of innovative water and energy saving technologies and reduce greenhouse gas emissions, the California Energy Commission, jointly with the Department of Water Resources, and the State Water Resources Control Board, will implement a Water Energy Technology (WET) program to provide funding for innovative technologies that meet the following criteria:

» Display significant water savings, energy savings, and greenhouse gas emission reductions.

» Demonstrate actual operation beyond the research and development stage.

» Document readiness for rapid, large-scale deployment (but not yet widely deployed) in California.

Examples of eligible innovative WET program technologies:

» Agriculture: Low-pressure, precision agriculture, and integrated irrigation solutions that reduce on-farm water use, net energy use, and GHG emissions and can include moisture sensing, remote sensing to estimate crop stress, water-use monitoring software, irrigation scheduling technologies, soil characteristics, PC emitters, filters, variable frequency drive motors, valves, flow meters, regulated deficit irrigation practices, leak detection, and/or other factors.

» Industrial/commercial: Advanced industrial/commercial technology solutions that save water, reduce onsite net energy use, and reduce GHG emissions, and can include integrated onsite water reuse and heat recovery systems; packaged/modular wastewater treatment systems; and no-water or low-water use technologies for process operations, laundries, food service, and industries and businesses with high water consumption.

» Residential: Integrated onsite water reuse and heat recovery systems that save water and reduce net energy use and GHG emissions.

» Water treatment and recovery: Reduce greenhouse gas emissions from existing desalination plants through installation of advanced technologies/processes that use less energy than the current systems (e.g., use less than 10 kWh/1000 gallons of water produced) with increased water production; and installation of renewable energy sources for heat or power, and/or other novel methods to reduce greenhouse gas emissions.

How is the program administered?

Working in partnership with the Department of Water Resources, the Water Resources Control Board and other experts, the California Energy Commission is developing the program eligibility and application process. Projects must have direct water savings, direct energy savings, and reduce greenhouse gas emissions.

What is the schedule?

The program kick-off is expected summer 2015.

How can I get more information?

Please sign up on the Energy Commission's WaterSaver listserv at www.energy.ca.gov/wet/

The Energy Commission will also set up a WaterSaver idea exchange docket accessible from this webpage. The purpose of the docket is to record your ideas and suggestions and also provide an opportunity for networking among those that send emails to this docket. Note: the WaterSaver idea exchange docket is for information only.

CONTACT

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Related Links

California Drought Page: **ca.gov/drought/**

Governor's Executive Order B-29-15: **gov.ca.gov/news.php?id=18910**

Save Our Water: **saveourwater.com/**

Industrial, Agriculture and Water Research: **www.energy.ca.gov/research/iaw/index.html**

Upcoming workshop notices: **www.energy.ca.gov/wet/**

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CALIFORNIA ENERGY COMMISSION